

# 8.8L GASOLINE ENGINE

246.9 hp / 498.8 ft-lbs

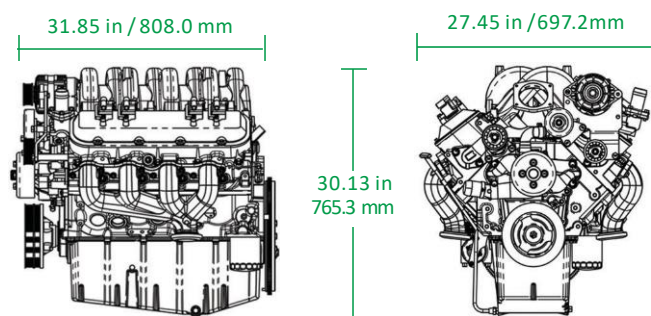
PSI's Industrial 8.8-liter gasoline engine is a power unit that is a fully integrated drop-in solution, delivering uncompromised power performance and maximum fuel efficiency.

Superior engine performance is driven by an ECU that integrates and coordinates all critical functions including: governor, variable ignition timing, air-fuel ratio control, knock suppression and engine protection. All PSI engines feature the same fuel systems and controls, simplifying application development and support.

PSI has been a leader in the design, engineering and manufacture of efficient, high-performance power systems, providing integrated turnkey solutions to top global OEMs for nearly 30 years. Our products are used worldwide in pump jacks, power generators, forklifts, aerial lifts and industrial sweepers, as well as in oil and gas, aircraft ground support, agricultural and construction equipment.

## GENERAL DATA

- Cast iron block and heads, 8.5:1 compression ratio, overhead valve/2V configuration
- Fuel and emission control system that meets Tier II EPA/CARB emission regulations for LSI engines
- Camshaft gear-driven oil system with cartridge-type filter and belt-driven centrifugal water pump
- Temperature-regulated oil cooler
- 12VDC Starter and Alternator
- Cooling fans
- Radiator & complete cooling systems
- Dry-type industrial air cleaners
- 3-Way Catalytic Converter with certified units
- Full ECU engine control with coil-on-plug variable timing ignition
- Engine protection for oil pressure, coolant temperature, overspeed
- Integrated knock sensing and control
- Available as Naturally Aspirated
- CANBUS J1939 interface



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## FEATURES

- High-flow cylinder head with optimum compression ratio delivers impressive torque
- Roller valve lifters for reduced friction and improved fuel economy
- World-class engine sealing system for superior leak protection
- Coil near plug ignition, no distributor
- Crank is forged, induction hardened steel with tangential fillets
- Heavy-Duty heads
- New CCV system (breather) for reduced oil consumption and excellent cold ambient capability
- Spark plug heat shield for increased spark plug wire life

## PSI 8.8-LITER GASOLINE ENGINE DATA

Cylinders	V-8
Induction system	Naturally aspirated
Combustion system	Spark-ignited
Cooling system	Water-cooled
Displacement	535 cid (8,799.9 cc)
Compression ratio	8.5:1
Bore & Stroke	4.35 in x 4.50 in (110.5 mm x 114.3 mm)
Peak Power	246.9 hp (184.1 kW) @2600 rpm
Peak Torque	498.8 ft-lb (676.3 N-m) @2600 rpm
Fuel Type	Gasoline
Direction of rotation	Counter-clockwise viewed on flywheel
Dry Weight	730 lb (307 kg)

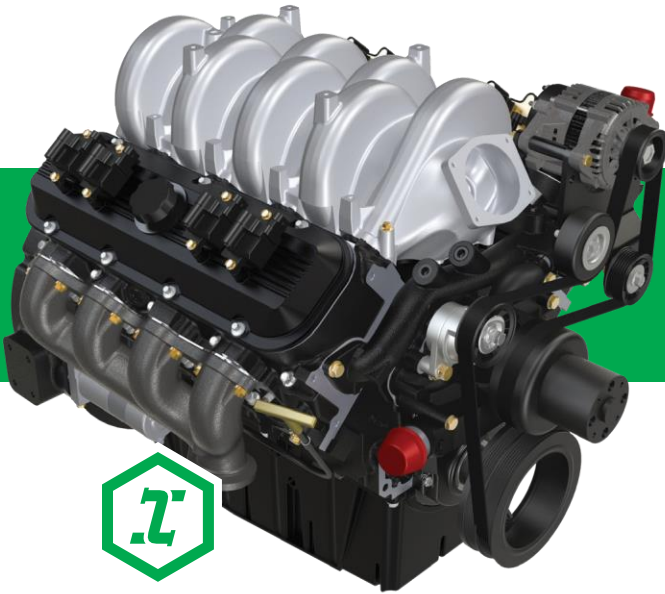
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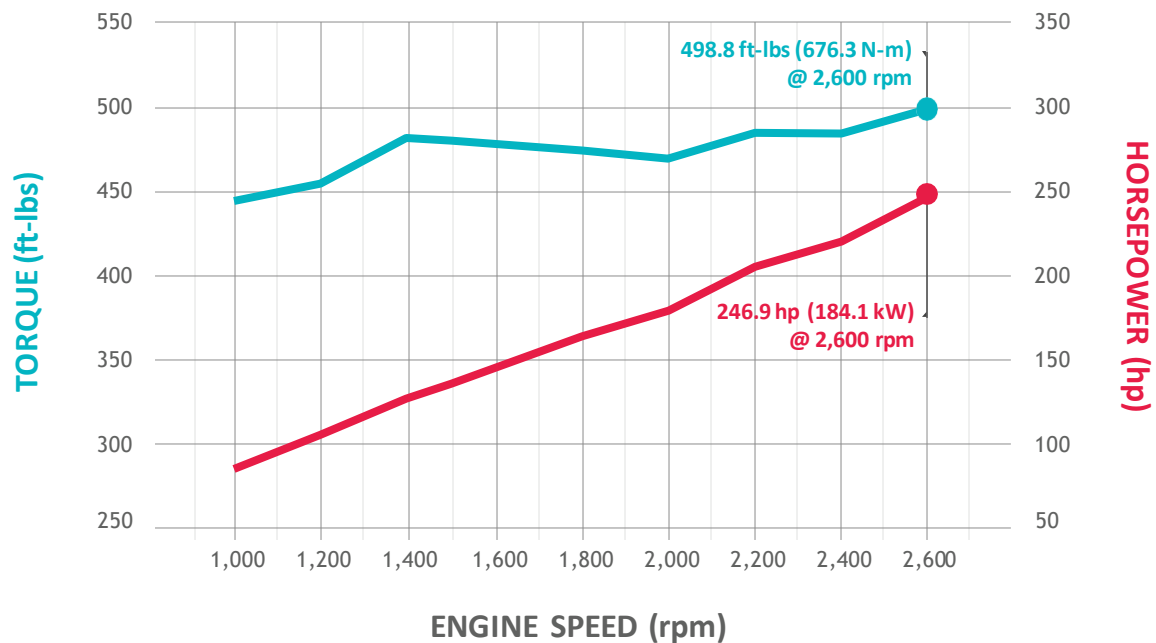
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## TORQUE & HORSEPOWER CURVES - 8.8L GASOLINE

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Config. Drawing Reference – SK45219A